Special Issue

Machine Learning and Optimization for Warehouse Inventory Management in Agile Supply Chains

Message from the Guest Editors

Warehouses are a critical component of modern-day supply chains, with the following two factors driving their increased importance: (i) the growth of online retailing and (ii) lower levels of store inventory This Special Issue seeks to contribute to the literature on the following topics:

- Machine learning-driven warehouse management systems;
- Data-driven predictive solutions for storage location and assignment problems (SLAPs);
- Dynamic algorithms and solutions for the order-picking problem (OPP);
- Omni channel inventory allocation models;
- Last-mile delivery logistics and networks;
- Data analytics applications in online retailing supply chains;
- Warehouse data collection and inference models;
- Integrating transportation networks with warehouse fulfillment;
- Application of reinforcement learning approaches to warehouse management;
- Warehouse operation case studies and use cases.

Guest Editors

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Deadline for manuscript submissions

closed (1 August 2025)

Logistics

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About the Journal

Message from the Editor-in-Chief

I am delighted to take on the editorial role for the open-access international journal Logistics, which will emphasize current important issues in logistics and supply chain management. My aim is to ensure that this journal employs a rapid review process; has the flexibility to address the most current topics; and is globally connected, communicating online peer-reviewed articles and related content to a worldwide audience. I have invited a group of leading thinkers to serve as Editorial Review Board Members, who will promote cutting-edge insights from authors from all over the world. Contemporary topics that address current challenges will receive special attention, as will thought-provoking scholarly essays and viewpoints. On behalf of our distinguished Editorial Board, I welcome your contributions.

Editor-in-Chief

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Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), RePEc, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.6 days after submission; acceptance to publication is undertaken in 4.9 days (median values for papers published in this journal in the first half of 2025).

Journal Rank:

JCR - Q2 (Operations Research and Management Science) / CiteScore - Q1 (Information Systems and Management)